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## The Second International Conference on Accessible Digital Agriculture Technologies

**CADAT 2025**

**October 26 - 30, 2025 - Barcelona, Spain**

<http://www.iaria.org/conferences2025/CADAT25.html>

### Important deadlines:

Submission (full paper)	July 8, 2025
Notification	August 24, 2025
Registration	September 7, 2025
Camera ready	September 21, 2025

### Tracks:

#### AI and Machine Learning in Crop Management

- Crop Disease Detection
- Yield Prediction and Optimization
- Pest Management Strategies
- Soil Health Assessment

#### Digital Twins for Agricultural Systems

- Virtual Farming Simulations
- IoT-enabled Farm Monitoring
- Precision Livestock Farming
- Climate Adaptation Strategies

#### Robotic Harvesting and Farm Automation

- Autonomous Harvesting Machinery
- Weed Control Robots
- Autonomous Greenhouse Operations
- Human-Robot Collaboration in Agriculture

#### Smart Sensors and IoT Integration for Real-Time Food Monitoring

- Wireless Communication Protocols in the food supply chain
- Data Fusion and Integration Strategies
- Cloud-Based Analytics and Predictive Maintenance

#### AI and Machine Learning in Food Safety Analytics

- Predictive Modeling for Contamination Detection
- Anomaly Detection and Outlier Identification
- Image Recognition and Computer Vision
- Integration of Sensor Data and Environmental Factors
- Explainable AI and Interpretability in Decision-Making